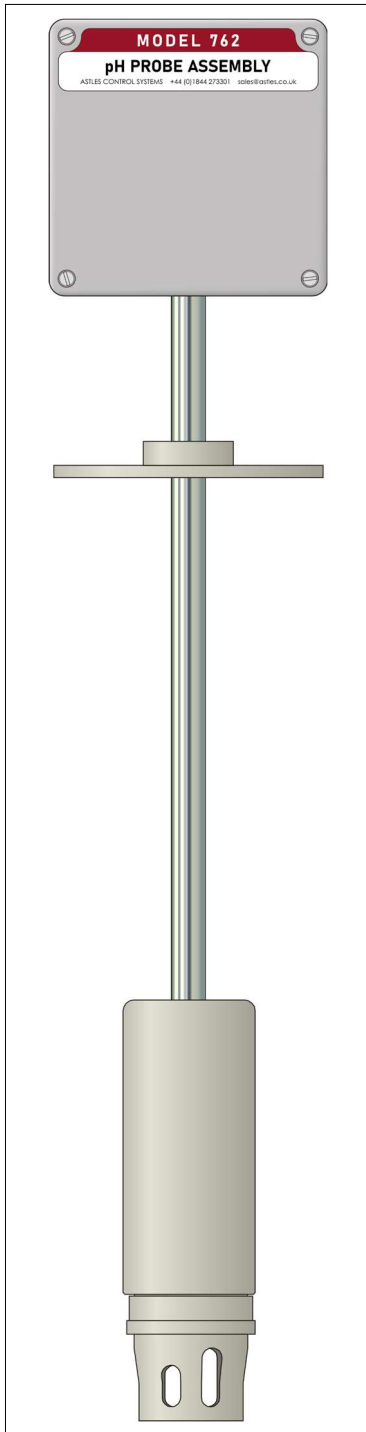




SENSOLUTION™ pH800/762 pH Probe Assembly

The pH800/762 pH probe assembly is a loop-powered, isolated pH sensor, with all power being supplied from the two-wire current loop connection. Isolation enables the probe to be at a potential relative to ground without affecting the integrity of the measurement. The two-wire connection eliminates the requirement of a separate supply in addition to the loop supply voltage.



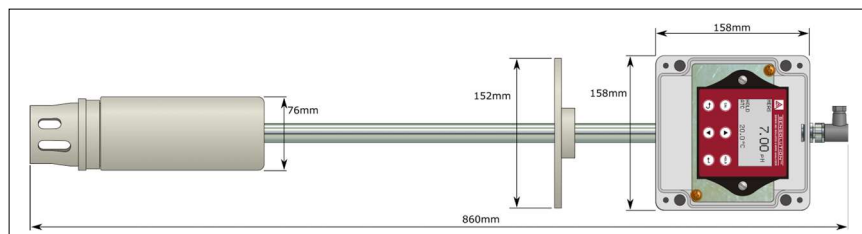
Features

- Temperature-compensated pH measurement.
- Two-wire field mounted analyser – suitable for multiple-loop installations with a central controller.
- Isolated 4-20mA signal.
- Simple pushbutton operation.
- Tough IP65 die-cast Aluminium enclosure.
- Plug and socket connectors for easy installation and maintenance.
- Tool-free operation – no dip-switches or potentiometers.

With a Model 762 probe assembly and electrodes, the pH800 analyser becomes a complete pH sensing unit. The pH800 analysers include all the circuitry necessary for the measurement and transmission of an isolated 4-20mA linear signal. All the analyser's functions are accessible through the pushbutton interface – there are no potentiometers or dip-switches. Two-point calibration of the signal is accomplished using the standard calibration routine. The pH800 can also temperature compensate pH readings using a 100Ω TC element.

The Model 762 assembly is manufactured from chemically resistant polypropylene and has spaces for two PG13.5 electrodes – a rugged glass pH electrode and glass temperature compensator. The reference is a double-junction arrangement with a large gel reservoir giving excellent stability in tough applications.

Dimensions



Model 762 Probe Assembly

The most common usage of the 762 is with a wand, as shown on the previous page.

The 762 can also be used with a stainless steel flowcell, shown to the right, for areas and processes where it is not possible to insert the probe directly into the tank.

A cable of up to 5m in length can connect directly to a wall or pipe mounted analyser for real-time readings of pH.



Specifications

pH	Range	0.00pH to 14.00pH
	Resolution	0.01pH
	Accuracy	±0.01pH
Temperature	Range	-10.0°C to 110.0°C
	Resolution	0.1°C
	Accuracy	±0.5°C
Operating Temperature		1.0°C to 60.0°C
Temperature Compensation		Auto (Pt100) / Manual (from 0°C to 100°C)
Number of Calibration Points		2
Calibration Buffers		4.01, 7.00, 10.01
Inputs		Asymmetrical / Symmetrical
Outputs		4.0mA to 20.0mA
Out-of-Range Current Output	Under-Range	3.8mA / 4mA (selectable)
	Over-Range	3.8mA / 20mA (selectable)
Hold Current Output		22mA / Last measured value (selectable)
Display		Custom Dual LCD
Power Requirements		12V to 24V dc
Load Resistance		600Ω Max

Ordering Information

500/0034	Complete pH probe assembly: pH800, 762 holder, electrodes and 40cm wand
500/0032	Complete pH probe assembly: pH800, 762 holder, electrodes and 70cm wand
500/0033	Complete pH probe assembly: pH800, 762 holder, electrodes and 100cm wand
500/0050	Wall-mount pH800 analyser, 3m Cable: 762 holder, electrodes and 40cm wand
500/0051	Wall-mount pH800 analyser, 3m Cable: 762 holder, electrodes and 55cm wand
500/9093	Stainless Steel Flow Cell for use with 500/9143
500/9143	pH probe assembly: 762 holder and electrodes. 5m cable length allows connection to wall-mounted analyser

Country of Origin: UK